

I. Edited Thematic Book Projects

1. P. Anstey and J.A. Schuster [eds.] The Science of Nature in the 17th Century: Patterns of Change in Early Modern Natural Philosophy. [Kluwer/Springer, 2005]
2. S. Gaukroger, J.A. Schuster and J. Sutton (eds.) Descartes' Natural Philosophy: Optics, Mechanics and Cosmology [Routledge, London, 2000] ISBN 0-415-21993-0, xii+757pp.
3. J.A. Schuster and R.Yeo (eds.), The Politics and Rhetoric of Scientific Method: Historical Studies (Dordrecht: Reidel, 1986). xxxvii + 305pp.

II. Articles and Chapters:

1. J.A. Schuster [2009] "Descartes—Philosopher of the Scientific Revolution; Or Natural Philosopher in the Scientific Revolution", Journal of Historical Biography 5, 48-83.
2. J.A.Schuster, [2005] 'Waterworld: Descartes Vortical Celestial Mechanics and Cosmological Optics—A Gambit in the Natural Philosophical Agon of the Early 17th Century', in J.A.Schuster and P. Anstey [eds.] The Science of Nature in the 17th Century: Patterns of Change in Early Modern Natural Philosophy [Kluwer/Springer.], pp. 35-79
3. S.Gaukroger and J.A.Schuster [2002], "The Hydrostatic Paradox and the Origins of Cartesian Dynamics" Studies in the History and Philosophy of Science 33/3 pp.535-572
4. J.A. Schuster,[2002] "L'Aristotelismo e le sue Alternative", in D.Garber [ed] La Rivoluzione Scientifica. Istituto della Enciclopedia Italiana, Rome, pp. 337-357.
5. J.A. Schuster, [2002] 'The Scientific Revolution' [in Chinese] in Liu Dun and Wang Yangzong (eds.) Chinese Science and the Scientific Revolution: Selected Writings on the Needham Problem and Related Issues [Liaoning Education Publishing House, Shenyang] pp.835-869 [ISBN 7-5382-6302-0/N 19]
6. J. A. Schuster [2000], 'Descartes *Opticien*: The Construction of the Law of Refraction and the Manufacture of its Physical and Methodological Rationales 1618-1629' in S. Gaukroger and J.A.Schuster (eds.) Descartes' Natural Philosophy: Optics, Mechanics and Cosmology [Routledge, London], pp.258-312. ISBN 0-415-21993-0.
7. S. Gaukroger, J.A.Schuster and J. Sutton,[2000] "Introduction" to Descartes' Natural Philosophy: Optics, Mechanics and Cosmology [Routledge, London] ISBN 0-415-21993-0, pp.1-25.
8. J.A. Schuster [2000], 'Jacques Rohault', in W. Applebaum (ed.) Encyclopedia of the Scientific Revolution, [Garland Publishing, New York]
9. J.A. Schuster [2000a], 'Internalist and Externalist Historiographies of the Scientific Revolution', in W. Applebaum (ed.) Encyclopedia of the Scientific Revolution, [Garland Publishing, New York]
10. J.A. Schuster [2000b], 'Rene Descartes', in W. Applebaum (ed.) Encyclopedia of the Scientific Revolution, [Garland Publishing, New York]
11. J.A. Schuster and A.B.H.Taylor [1997], 'Blind Trust: The Gentlemanly Origins of Experimental Science', Social Studies of Science , 27 pp.503-536.
12. J.A. Schuster [1997] 'Saving the Revolution' [essay review of H.F. Cohen, The Scientific Revolution], Isis, 88 (1) pp.118-121

13. J.A. Schuster and A.B.H. Taylor, [1996] "Seized by the Spirit of Modern Science", MetaScience, 9, pp.9-26
14. J.A.Schuster [1995], 'Descartes *Agonistes* New Tales of Cartesian Mechanism', Perspectives on Science 3 (1995) pp.99-145.
15. J.A.Schuster, [1992] 'Whatever Should We Do with Cartesian Method: Reclaiming Descartes for the History of Science' in S. Voss (ed.) Essays on the Philosophy and Science of René Descartes (OUP), pp. 195-223
16. J.A.Schuster, [1990] 'The Scientific Revolution' in G.Cantor and R.Olby (eds.), The Companion to the History of Modern Science (London: Croom Helm),pp.217-242
17. J.A.Schuster and G.Watchirs [1990] 'Natural Philosophy, Experiment and Discourse in the 18th Century: Beyond the Kuhn/Bachelard Problematic' in H.E.LeGrand(ed.) Experimental Inquiries: Historical, Philosophical and Social Studies of Experiment (Dordrecht: Reidel),pp.1-48
18. J.A.Schuster and E.Richards [1989] 'The Myth of Feminine Method: A Challenge for Gender Studies and the Social Studies of Science', Social Studies of Science 19 pp.697-720
19. J.A. Schuster and E. Richards [1989a], 'Response to Evelyn Fox Keller: So What is Not a Social Category? Or, You Cannot Have It Both Ways', Social Studies of Science 19, pp.725-29.
20. J.A.Schuster and R.Yeo [1986] 'Introduction' to Schuster and Yeo (eds.), The Politics and Rhetoric of Scientific Method: Historical Studies (Dordrecht: Reidel,1986), pp.ix-xxxvii.
21. J.A.Schuster [1986] 'Cartesian Method as Mythic Speech: A Diachronic and Structural Analysis', in Schuster and Yeo (eds.), The Politics and Rhetoric of Scientific Method: Historical Studies (Dordrecht: Reidel), pp.33-95.
22. J.A.Schuster [1985] 'Galileo and the Catholic Church: Knowledge, Interests and the Construction of the Past, in D.Turnbull (ed.), Knowledge Making (Deakin University). [Deakin University Third Level Text in Social Studies of Science].
23. J.A.Schuster [1984] 'Methodologies as Mythic Structures: A Preface to the Future Historiography of Method', Metascience: Review of the Australasian Assoc. for the History, Philosophy and Social Studies of Science I-II pp.15-36.
24. J.A.Schuster [1980] 'Descartes' *mathesis universalis*: 1618-1628', in S.W.Gaukroger (ed.), Descartes: Philosophy, Mathematics and Physics (Brighton: Harvester), pp.41-96.
25. J.A.Schuster [1980a] 'Isaac Newton', American Academic Encyclopedia (Princeton, 1980). [Republished in CD-Rom and Web based form, Grolier Encyclopedia, 1993ff]
26. J.A.Schuster [1979] 'Kuhn and Lakatos Revisited', British Journal for the History of Science 12, pp.301-317.
27. J.A.Schuster, 'Jacques Rohault 1620-1675', [1975] in C.C.Gillispie (ed.) The Dictionary of Scientific Biography (New York: Scribners), vol. XI.

III. Textbooks for Campus and Distance Learning [Open Learning Australia]

1. J.A. Schuster, An Introduction to the History and Social Studies of Science Open Learning Australia, 1995). This work may be found on this site.

2. J.A. Schuster, , The Scientific Revolution: An Introduction to the History and Philosophy of Science (Open Learning Australia,1995). This work may be found on this site.

IV. Radio Scripts: for Open Learning Australia First Level STS Subject [1995ff]

1. J.A. Schuster, Is the success of science founded upon a method?, Script and Presentation, ABC Radio National/OLA.
2. J.A. Schuster, Theory, fact and discovery in the new history and sociology of science, Script and Presentation, ABC Radio National/OLA.
3. J.A. Schuster, Can the method story be saved? Sir Karl Popper and the cultural politics of science, Script and Presentation, ABC Radio National/OLA.
4. J.A. Schuster, The Kuhnian dispensation: what Thomas Kuhn told us about the dynamics of science, and what historians and sociologists of science have learned since, Script and Presentation, ABC Radio National/OLA.

V. Reports & Working Papers

1. J. A. Schuster, 'Bruno Latour's [No History Required] Tour of the Past', Working Papers of University of Wollongong Combined Research Program in Science & Technology Analysis, vol 1 (1991)

VI. Invited Papers for International Conferences and Congresses

1. J.A. Schuster, "Descartes *agonistes*—The 'Real' Descartes Stands Up: How the agendas, identities, rebellions, successes, failures and delusions of 'youth' (1618-33) generated the historians' mature Descartes" Invited Lecture for Nacht van Descartes, Descartes Centre for the History of the Sciences and the Humanities, University of Utrecht, and Studium Generale, University of Utrecht, October 2008.
2. J.A. Schuster, 'What was the Relation of Baroque Culture to the Trajectory of Early Modern Natural Philosophy', for by invitation only Second International Workshop of the Baroque Science Project, HPS Unit, University of Sydney, February 2008.
3. J.A. Schuster, "Consuming and Appropriating the Mixed Mathematical Fields, or Being 'Influenced by Them: The Case of the Young Descartes', Invited Symposium on 'Practical Mathematics and the Scientific Revolution'", at 22nd International Congress of the History of Science (International Union of the History of Science and Technology), Beijing July 2005
4. J.A. Schuster, "Early Modern Natural Philosophy and the Historiography of the 'Scientific Revolution': The State of the Problem and Some Ways Forward" one of 12 Internationally invited papers for by invitation only Conference on Historiography of Science, Philosophy and Intellectual History, Sponsored by the Danish National Research School in History of Philosophy, Science, and Intellectual History [PHIS], Copenhagen, Denmark, October 2003.
5. J.A. Schuster, "Two Cases of the Kuhn/Post-Kuhn Dialectic: Method as Mythic Speech and Natural Philosophy as Field and Agon", for by invitation only Conference on T.S. Kuhn and History, Dibner Institute of the History of Science and Technology, Massachusetts Institute of Technology [M.I.T.] November 20-22 , 1997. [Only Australian based invitee]
6. John A. Schuster, "Descartes *Opticien*: The Construction of the Law of Refraction and the Manufacture of its Physical and Methodological Rationales 1618-1629" ,

Invited featured paper, International Conference on Descartes' Natural Philosophy--Descartes 1596-1996, University of Sydney 11 April 1996.

7. J. A. Schuster, 'Natural Philosophy as a Cultural Field in Process: Reconfiguring the Plot (and Dramatis Personae) of the 'Scientific Revolution' Invited Paper, for by Invitation only Conference on Explaining the Scientific Revolution: Global Frameworks or Local Knowledges, Harvard University/Dibner Foundation, Cambridge Mass, October 1996. [Only Australian based invitee]
8. J. A. Schuster, "The New Search for the Origins of Experimental Science: Moral Panic and Disciplinary Dysfunction in the (Sociologically Informed) History of Science" Paper invited for Humanities Research Centre, ANU, Conference on the Social and the Natural Sciences Sept 1996
9. J.A. Schuster, 'New Master Narratives, Yes; "Scientific Revolution", No Thanks', Invited, featured paper, Annual Convention of the [U.S.] History of Science Society, Seattle, Washington, October 1990, Session on Reinterpreting the Scientific Revolution. (Delivered by the convener, Professor Robert Westman, in the absence of the author).
10. J.A.Schuster, 'Invited Opening Comments' Sections on the Scientific Revolution, Joint U.S./U.K. History of Science Conference, University of Manchester, July 1988.
11. J.A.Schuster, 'Misconstruing the Scientific Revolution: The Deep Story', Annual Conference of the Australasian Assoc. for the History, Philosophy and Social Studies of Science, University of Melbourne, May 1988.
12. J.A.Schuster and E. Richards, 'Gender Analysis of Science: The Myth of Feminine Method', Section on Science and Gender, Joint U.S./ U.K. History of Science Conference, University of Manchester, July 1988.
13. J.A.Schuster, 'The Rhetorical Roles of Cartesian Method--Reclaiming Descartes for the History of Science', Invited Featured Paper--Conference on 350th Anniversary of the Publication of Descartes' *Discours de la methode*, San Jose California, April 1988.

VII. Other Major International Conference Papers

1. J.A.Schuster, 'What was Seventeenth-Century Physico-Mathematics', for double session on 'Connecting Disciplines: Mathematics, Natural Philosophy and Reason in the Early Modern Era' Sixth Joint US/UK/Canadian History of Science Societies Quadrennial Conference, Oxford University, July 2008.
2. J.A. Schuster, "From Natural Philosophy to Science(s): Transformations (Intended and Unintended), Not Ruptures, in Early Modern Knowledge Network--the Disputed Case of the Early Royal Society", First International Conference of ARC Network of Early European Researchers (NEER), University of Western Australia, July 2007
3. J.A.Schuster, " 'Waterworld': Descartes' Vortical Celestial Mechanics and Cosmological Optics--A Gambit in the Natural Philosophical Agon of the Early 17th Century" Early Modern Thought Conference: Fourth Annual Conference of the International Society for Intellectual History and 2002 Faculty Conference of the Faculty of Arts and Social Sciences, University of New South Wales.
4. J.A.Schuster, Hydrostatics, 'Physico-Mathematics and the Origins of Cartesian Micro-Mechanism--Or What René and Isaac Did in 1619', History of Science Society, US, Annual Meetings, Denver Nov 2001
5. Katherine Neal and John Schuster, " Practical Mathematics and Narratives of the Scientific Revolution: What ever is to be done?", Joint US/UK/Canadian History

of Science Societies Quadrennial Conference, St. Louis Mo. USA 3 to 6 August 2000

6. John Schuster and Alan Taylor, "Organising the Experimental Life at the Early Royal Society.", Joint US/UK/Canadian History of Science Societies Quadrennial Conference, St. Louis Mo. USA 3 to 6 August 2000
7. John A. Schuster & Alan B.H. Taylor, "Organising the 'Experimental Life': at the Early Royal Society . Part 1: The Production & Communication of Experimentally Based Knowledge", Early Modern Thought Conference, University of Sydney & Blue Mountains, NSW, June 1999.
8. G.Watchirs and J.A.Schuster, 'The 18th Century Problem: Natural Philosophy, Experiment and Discourse in Post-Kuhnian Perspective', Annual Conference of the Society for the Social Studies of Science, Worcester, Mass., November 1987.

VIII. Other Conference and Selected Seminar Papers

1. J.A.Schuster, "How not to do the history of experimental natural philosophy / sciences—Being the young person's guide to experimental science and natural philosophy (Variations on themes of Bachelard, Kuhn, Pinch, Gaukroger and A.B.H. Taylor), Research Seminar on Experimental Sciences 1650-1750, Campion College, Sydney and ARC Network of Early European Researchers, December 2009.
2. J.A. Schuster, ' "Recalled to Study": Descartes, Physico–Mathematicus 1618-1620" [*draft chapter from Descartes Agonistes: Physico–Mathematics, Method and Mechanism 1618-1637*]', Research Colloquium of the Descartes Centre for the History of the Sciences and the Humanities, University of Utrecht, September 2008.
3. J.A. Schuster, Organising the 'Experimental Life' at the Early Royal Society: Natural Philosophical Contestation and the Production of Experimentally Based Knowledge, Center for History of Science, University of Ghent, October 2008
4. J.A. Schuster, "The Development of Descartes' Theory of Lenses 1626-37: A Sequel to the Reconstruction of His Discovery of the Law of Refraction and His Search for its Physico-Mathematical Explanation. Workshop on Baroque Science Project—Baroque Optics, HPS Unit, University of Sydney, August 2007
5. J.A. Schuster, "The Young René Descartes: Baroque Chap Playing Baroque Natural Philosophical Games in a Baroque Manner?" Workshop on Baroque Science Project, HPS Unit, University of Sydney, September 2006
6. J.A.Schuster, '*False Efficiencies*: How Efficiency and Other Abstract 'Goods' (Such as Precision, Scope and Progress) Are Mystified When We Talk About Scientific Method—A View from Post-Kuhnian History and Philosophy of Science', Invited Address to International Workshop on Money, Technology and Efficiency, MetaCapitalism Research Program, School of Accounting and Finance, University of Wollongong, July 2006
7. J.A. Schuster, 'Practical Mathematics, Natural Philosophy and the Scientific Revolution: Reflections on the Mathematisation of Early Modern Science, Annual Conference of AAHPSSS, Dunedin, New Zealand, December 2005.
8. J.A. Schuster, "Recasting Early Modern Science: Revolution in Science, or Civil War in Natural Philosophy?" Annual Conference of AAHPSSS in conjunction with AHA, University of Newcastle, July 2004
9. J.A. Schuster and Luciano Boschiero, "The Occluding of the Cognitive in Cultural and Institutional Histories of the Royal Society and the Accademia del Cimento", Annual Conference of AAHPSSS, University of Melbourne, July 2003
10. Luciano Boschiero and J.A. Schuster, "Natural Philosophical Commitments and Agendas in the Experimental Work of the Royal Society and Accademia del Cimento", Annual Conference of AAHPSSS, University of Melbourne, July 2003
11. J.A.Schuster, Hydrostatics, Physico-Mathematics and the Origins of Cartesian Micro-Mechanism—Or What René and Isaac Did in 1619, Annual Conference of AAHPSSS, University of Melbourne, June 2001.

12. J.A. Schuster, "Steve Fuller's Version of Kuhn", Invited Paper/Commentary for 'Author Meets the Critics Session: S. Fuller: T.S. Kuhn, A Philosophical History for our Time', Annual Conference of AAHPSSS, University of Melbourne, June 2001
13. Alan B.H.Taylor and John A.Schuster, "Organising the 'Experimental Life': The Production & Communication of Experimentally Based Knowledge at the Early Royal Society of London" History and Philosophy of Science Unit, University of Sydney 21 Sept. 1998
14. J.A.Schuster "Kuhn the Critical Historian: Traditions, Models of Process and Large Narratives--Retrieving Kuhn's Project for the History of Science Discipline from the Grasp of Micro-Sociology and Quick Fix Contextualism" Annual Conference of AAHPSSS 1997, University of Auckland July 1997.
15. Ivan Crozier & John A. Schuster "The Historicity of Discursive Fields: Putting History into the History of Science and Medicine in an Age of Pop Historiography". Annual Conference of AAHPSSS 1996, University of Melbourne
16. John A. Schuster: "The Rules of the Natural Philosophy Game: A Post-Foucauldian Archaeology of Early Modern Natural Knowledge Systems for an Age of Moral Panic and PC Historiographical Inanities". Annual Conference of AAHPSSS 1996, University of Melbourne
17. John A. Schuster, "Moral Panic and the New Historiography of the Scientific Revolution", Unit for History and Philosophy of Science, University of Sydney, 18 March 1996.
18. J.A. Schuster, "Civility and Provincialism in the History of Science: The Shapinian-Schafferian [Local] 'Origins' (sic) of Experimental 'Science' (sic). Annual Conference of AAHPSSS 1995, UNSW.
19. J.A.Schuster, "Caught in the Act: What has been gained by studying Scientists in Action", CHAST Centre, Univ. of Sydney, May 1993.
20. J.A.Schuster, "The Kuhn/Bachelard Problem Eighteenth Century Natural Philosophy and Experimental Science", Graduate Program in History, Sociology and Philosophy of Science, University of California at San Diego, Oct 1991
21. J.A.Schuster, "New Master Narratives, Yes, "Scientific Revolution , No Thanks", Annual Conference of the Australasian Association for the History, Philosophy and Social Studies of Science, Perth, Western Australian, July 1991
22. J.A.Schuster and Ian Hampson, "The Commodification of Technology Policy: Kuhnian Paradigms and the Policy Pundits", Seminar of Science & Technology Analysis Research Program, University of Wollongong, May 1991.
23. J.A. Schuster and I.Hampson, 'From the paradigms of '62 to the policy pundits of the 90s: Or, from debased currency to shiny symbolic capital', Annual Conference of the Australasian Assoc. for the History, Philosophy and Social Studies of Science, Deakin University, September 1990.
24. J. A. Schuster, 'Bruno Latour's [No History Required] Tour of the Past', Annual Conference of the Australasian Assoc. for the History, Philosophy and Social Studies of Science, University of Wollongong, September 1989. Also in Working Papers of University of Wollongong Combined Research Program in Science & Technology Analysis, vol 1 (1991)
25. J.A.Schuster, 'Descartes' Manufacture of the Law of Refraction--1618-29: From Optics to the Laws of Nature', History of Science Seminar Series, Department of History, Stanford University, April 1988.
26. J.A.Schuster and E.Richards, 'Gender Analysis of Science: The Myth of Feminine Method', Annual Conference of the Australasian Assoc. for the History, Philosophy and Social Studies of Science, University of Melbourne, May 1988.
27. J.A.Schuster and G.Watchirs, 'The 18th Century Problem: Natural Philosophy, Experiment and Discourse in Post-Kuhnian Perspective', Annual Conference of the Australasian Assoc. for the History, Philosophy and Social Studies of Science, Griffith University, Brisbane, Queensland, August 1987.
28. J.A. Schuster, 'Metaphor, Method and Myth', University of Melbourne, Faculty of Arts Seminar Series on Culture and Metaphor, July 1984.

29. J.A.Schuster and Fr.B.Brundell, 'The Making of Mechanism 1620-1640: Descartes, Gassendi & the So-called Crisis of the Seventeenth Century', Annual Conference of the Australasian Assoc. for the History, Philosophy and Social Studies of Science, University of Wollongong, May 1983.
30. J.A.Schuster, 'On the Ethnomethodology of Method', Annual Conference of the Australasian Association. for the History, Philosophy and Social Studies of Science, Lorne, Victoria, November 1982.
31. J.A.Schuster, 'The Structure of Early Modern Discourse on Method: Reflections on the Construction of Myths of Scientific Practice and the Secrets of Their Success', Deakin University Conference on The Cognitive and the Social, Lorne, Victoria, November 1981.

IX. Work Currently in Press and Progress

IX. A In Press

- J.A. Schuster, 'Consuming and Appropriating Practical Mathematics and the Mixed Mathematical Field, or Being 'Influenced' by Them: The Case of the Young Descartes', Chapter 2 in Lesley Cormack [ed.] Mathematical Practitioners and the Transformation of Natural Knowledge in Early Modern Europe (Chicago University Press,)
- J.A. Schuster, 'Physico-mathematics and the Search for Causes in Descartes' Optics—1619-37', forthcoming in special edition of Synthèse, edited by Ofer Gal.

IX. B Under Review

- J.A. Schuster, *Descartes Agonistes: Physico-mathematics, Method and Mechanism 1618-33* (category—Descartes agonistes elsewhere on this site)

IX. C In Preparation during 2010

Short articles in proposed *Cambridge Descartes Lexicon*, (ed. L Nolan) on 'Hydrostatics'; 'Light'; 'Physico-Mathematics'; 'Vortices', due October 2010

Chapter on 'Cartesian Physics' for the proposed *Oxford Handbook of the History of Physics* (eds. J.Buchwald and R.Fox), due October 2010

With J.Brody, "Descartes and Sunspots: Matters of Fact and Systematising Strategies in the *Principia Philosophiae*", expected submission date, mid 2010.